Compound Search

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=> FILE HCAPLUS
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FILE COVERS 1907 - 19 Oct 2007  VOL 147 ISS 18
FILE LAST UPDATED: 18 Oct 2007  (20071018/ED)

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 This file contains CAS Registry Numbers for easy and accurate
 substance identification.
'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

=> D QUE L9
L8             1 SEA FILE=REGISTRY ABB=ON  PLU=ON  "1,2-BENZENEDIOL, 3-METHOXY-6
                 -((1Z)-2-(3,4,5-TRIFLUOROPHENYL)ETHENYL)-"/CN
L9             1 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L8


=> FILE TOXCENTER USPATFULL
FILE 'TOXCENTER' ENTERED AT 14:05:30 ON 19 OCT 2007
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=> D QUE L10
L8             1 SEA FILE=REGISTRY ABB=ON  PLU=ON  "1,2-BENZENEDIOL, 3-METHOXY-6
                 -((1Z)-2-(3,4,5-TRIFLUOROPHENYL)ETHENYL)-"/CN
L10            2 SEA L8


=> DUP REM L10 L9
FILE 'TOXCENTER' ENTERED AT 14:05:43 ON 19 OCT 2007
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PROCESSING COMPLETED FOR L10
PROCESSING COMPLETED FOR L9
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L11             2 DUP REM L10 L9 (1 DUPLICATE REMOVED)
                  ANSWER '1' FROM FILE TOXCENTER
                  ANSWER '2' FROM FILE USPATFULL

=> DUP REM L9 L10
PROCESSING COMPLETED FOR L9
PROCESSING COMPLETED FOR L10
L12             2 DUP REM L9 L10 (1 DUPLICATE REMOVED)
                  ANSWER '1' FROM FILE HCAPLUS
                  ANSWER '2' FROM FILE USPATFULL

=> D IBIB ED ABS HITSTR 1; D IBIB ED AB HITSTR 2

L12  ANSWER 1 OF 2  HCAPLUS  COPYRIGHT 2007 ACS on STN DUPLICATE 1
ACCESSION NUMBER:         2004:754412  HCAPLUS  Full-text
DOCUMENT NUMBER:          141:277352
TITLE:                    Preparation of quinone and catechol derivatives for
                          the treatment of cancers and other vascular
                          proliferative disorders
INVENTOR(S):              Chaplin, David J.; Edvardsen, Klaus; Pinney, Kevin G.;
                          Prezioso, Joseph Anthony; Wood, Mark
PATENT ASSIGNEE(S):       Oxigene, Inc., USA
SOURCE:                   PCT Int. Appl., 101 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.          DATE
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     WO 2004078126         A2    20040916    WO 2004-US6175           20040301
     WO 2004078126         A3    20050811
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI
         RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,
             BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU,
             MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA,
             GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2004218412         A1    20040916    AU 2004-218412           20040301
     CA 2516078            A1    20040916    CA 2004-2516078          20040301
     US 2004242696         A1    20041202    US 2004-790662           20040301
     EP 1601348            A2    20051207    EP 2004-716108           20040301
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK
PRIORITY APPLN. INFO.:                          US 2003-450565P     P  20030228
                                                US 2003-467486P     P  20030502
                                                WO 2004-US6175      A  20040301
OTHER SOURCE(S):          CASREACT 141:277352; MARPAT 141:277352
ED   Entered STN:  16 Sep 2004
GI
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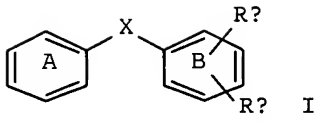

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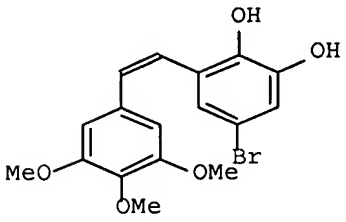


II

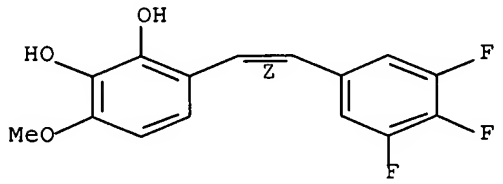
AB The title compound I [Ring A is optionally substituted with one to five substituents selected from alkoxy, cycloalkoxy, halo, trihaloalkyl, alkyl, allyl, alc., (substituted)amino, oxo, alkanoyl, thiol, etc.; ring B comprises at lease one structure denoted by Ra and Rb which represent an ortho-quinone (-CO-CO-), or ortho-catechol (-COH-COH-) or ortho-catechol pro-drug moiety; the remaining carbons of B ring are optionally substituted with one to five substituents selected from alkoxy, cycloalkoxy, halo, trihaloalkyl, alkyl, allyl, alc., (substituted)amino, oxo, alkanoyl, thiol, etc.; Bridge X = alkene, alkane, alkyne, amide, amine, etc.] were prepared for the treatment of solid tumor cancers and other vascular proliferative disorders. For example, compound II was prepared in a multi-step synthesis starting from 5-bromo-2-hydroxy-3- methoxybenzaldehyde. The latter showed activity with IC50s of 2.1 and 0.34 μM in the tubulin binding and MTT assays.

IT 757996-22-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of quinone and catechol derivs. for the treatment of cancers and other vascular proliferative disorders)

RN 757996-22-8 HCAPLUS

CN 1,2-Benzenediol, 3-methoxy-6-[(1Z)-2-(3,4,5-trifluorophenyl)ethenyl]- (CA INDEX NAME)

Double bond geometry as shown.



L12 ANSWER 2 OF 2 USPATFULL on STN
ACCESSION NUMBER: 2004:308020 USPATFULL Full-text

TITLE: Compositions and methods with enhanced therapeutic activity

INVENTOR(S): Chaplin, David J., Watlington, UNITED KINGDOM
Edvardsen, Klaus, Lund, SWEDEN
Pinney, Kevin G., Woodway, TX, UNITED STATES
Prezioso, Joseph Anthony, Boston, MA, UNITED STATES
Wood, Mark, Milton, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004242696	A1	20041202
APPLICATION INFO.:	US 2004-790662	A1	20040301 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-467486P	20030502 (60)
	US 2003-450565P	20030228 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MINTZ, LEVIN, COHN, FERRIS, GLOVSKY, AND POPEO, P.C., ONE FINANCIAL CENTER, BOSTON, MA, 02111
NUMBER OF CLAIMS: 57
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 7 Drawing Page(s)
LINE COUNT: 3030
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

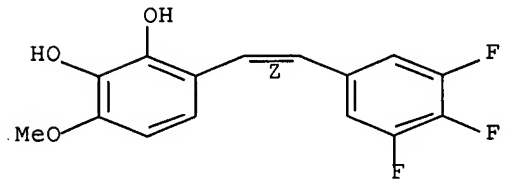
AB Novel quinone and catechol compositions, compositions containing prodrugs of quinone and catechol compositions, and methods of use for the treatment of solid tumor cancers and other vascular proliferative disorders. The disclosure particularly relates to the discovery of dual activity agents capable of generating both a vascular targeting effect and direct tumor cell cytotoxicity in order to achieve an enhanced anti-tumor response in a patient.

IT 757996-22-8P
(preparation of quinone and catechol derivs. for the treatment of cancers and other vascular proliferative disorders)

RN 757996-22-8 USPATFULL

CN 1,2-Benzenediol, 3-methoxy-6-[(1Z)-2-(3,4,5-trifluorophenyl)ethenyl]- (CA INDEX NAME)

Double bond geometry as shown.



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L4           16 SEA ABB=ON  PLU=ON  L2 AND (DIHYDROXY?/CNS)
L5            0 SEA ABB=ON  PLU=ON  L4 AND TRIFLUORO?/CNS
L6            1 SEA ABB=ON  PLU=ON  L2 AND TRIFLUORO?/CNS
                D SCAN
L7            1 SEA ABB=ON  PLU=ON  L2 AND F>=3
                E 1,2-BENZENEDIOL, 3-METHOXY-6-((1Z)-2-(3,4,5-TRIFLUOROPHENYL)E
L8            1 SEA ABB=ON  PLU=ON  "1,2-BENZENEDIOL, 3-METHOXY-6-((1Z)-2-(3,4,
                5-TRIFLUOROPHENYL)ETHENYL)-"/CN
                D SCAN

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L9            1 SEA ABB=ON  PLU=ON  L8


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L10           2 SEA ABB=ON  PLU=ON  L8

     FILE 'TOXCENTER, USPATFULL, HCAPLUS' ENTERED AT 14:05:43 ON 19 OCT 2007
L11           2 DUP REM L10 L9 (1 DUPLICATE REMOVED)
L12           2 DUP REM L9 L10 (1 DUPLICATE REMOVED)
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